Work Orde April-22-13 1:4		0536		*100	1536*						Page I
Item ID: Revision ID: Item Name: Start Date: Required Date:	D4017-9 Rib 4/30/13 4/30/13	Start Qty: 8.00 Req'd Qty: 8.00	*8*	Accept	*N900 Cust Item 1 Customer:		100)* s	etup Stal	. 17	S1* S2*
Reference:								R	lun Sta	rt * \ !	D4*
Approvals:		in: MCZ				ate:			Sto	, I V i	K I
	QC:	 -	Date:	SPC (Y/N):	Da	ate:			•	' *N	R2*
Sequence ID/ Work Center II	D	Operation Description	·-···	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr					-				
D4017	D										
100		•		0.00		•			•		
100 Large Fab			as per dwg D4017 and remove identify mark:	0.00 s				(40)_		ne	/3:08
110		QC6- Inspect dimension	ns to drawing	0.00							D4
110 QC Quality Control		Memo		0.00				(13		13.08.	30 DA
										/	
120		Identify as per dwg & S	tock Location:	0.00					Δi		•
120 Packaging Packaging		Memo		0.00				10x	SY	13.09.	0.3

										DQA:	Date:	
NCR: Y	es / No				WORK ORDER NON-C	COI	VFORM	MANCE / UPD	DATE			
				···						QA Closed:	Date:	
Work Orde	NF:				DISPOSITION				AGAINST DE	PARTMENT,	PROCESS	
WOLK OTUE	"· <u> </u>				Rework	1		Skid-tube	Crosstube]	Water Jet	Engineering
Part N	lo				Scrap	1 1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
raiti					Use-as-is	1		noforming	Finishing	4	e/Packaging	Other
NCR N	lo.				Work Order Update	1.	1110111	Large Fab	Composite	1	Supplier	1 1
						,		·				
Root		-		Descri	ption of work order update		nitial	Acti	ion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Descri	iption	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												}
Operator		1										
Material		1										
Setup												
Other						1						
Process												
Supplier												
Training				·								
Unapproved				<u> </u>						<u> </u>		
						AUI	T CATE	GORY				
Landii	ng Gear			 	General		10:-		Γ	Ovalized		Pressure/Forced
	Bending			_	Bend	\vdash	Grain		-	-1	4 -1	Temperature/Cure
(60 60		lot Conce	ntric to	^{0/5} -	BOM/Route	\vdash	Hardwa			Over/Under		Weld
2 ·	Cracks	10		<u> </u>	Broken/Damaged	\vdash	4	ion Incomplete	le close	Part Incorred Part Lost/Mi		Wrong Stock Pulled
	—	/Crimped		<u> </u>	Burrs	\vdash	Mainte	tions Incomplete/U	лиеаг	Part Lost/Mi	22HIB	TANGOUS STOCK LINES
	Cuffs			<u> </u>	Contamination	\vdash	1		 	-1	Vroga	
	Heat Tre	at			Countersink	1	Mislabe	eled	1	Positioned V	vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Other

Power Loss/Surge

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Work Orde April-22-13 1:4		00536 .		*100)536*							Page 2
Item ID: Revision ID: Item Name:	D4017-9			Accept	*N900	<u> </u>	100)*	Setup	Start Stop	*NS	1*
Required Date: Reference:		Start Qty: 8.00 Req'd Qty: 8.00	*8* *8*		Cust Item I. Customer:	D:						:
Approvals:	Process Pl QC:	an:	Date:	Tooling: SPC (Y/N):		nte:			Run	Start Stop	*NR	!1* !2*
Sequence ID/ Work Center II 130 *130* QC)	Operation Description QC21- Final Inspection -	Work Order Release	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accep Qty	t Re Qt	•	•	nsp. Stamp
Quality Control										Æ	8	:

dr. Oly

										DQA:	Date:	*
NCR: Y	es / No				WORK ORDER NON-C	ON	IFORN	MANCE / UPDATE		QA Closed:	Date:	
					DISPOSITION			AGAINST	DE	PARTMENT/		·
Work Orde Part N NCR N	lo				Rework Scrap Use-as-is Work Order Update	Machining Small Fab Thermoforming Finishing Large Fab Composite			i	Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other	
Root				Descri	ption of work order update	ŀr	nitial	Action		Sign &		
Cause	Date	Step	Qty	(or Non-conformance	Chi	ef Eng	Description		Date	Verification	QC Inspector
Doc/Data										Į .	<u>.</u>	
Equip/Tooling												
Operator						ļ						
Material												
Setup												
Other										ļ .		
Process										1		
Supplier												
Training										}		
Unapproved			_									
					F	AUL	T CATE	GORY				
Landi	ng Gear				General	_				•		•
	Bending				Bend		Grain			Ovalized	<u></u>	Pressure/Forced
	Centre N	ot Conce	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspecti	on Incomplete	L	Part Incorrec	t	Weld
	Crushed/	Crimped			Burrs		Instruct	ions Incomplete/Unclear		Part Lost/Mi:	ssing	Wrong Stock Pulled
.÷	Cuffs				Contamination		Mainte	nance		Part Moved	. ,	t
	Heat Trea	ət			Countersink	П	Mislabe	eled		Positioned W	/rong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID:

100536

Parent Item:

D4017-9

Parent Item Name:

Rib

Start Date: 4/30/13

Required Date: 4/30/13

Start Qty: 8.00

Required Qty: 8.00

Comments:

IPP RevA: new issue DD 09.11.26 verified by:EC

.11.26 verified by:EC IPP Rev:B as per dwg RevA DD IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC IPI

10.03.06 verified by:EC Rev:D as per dwg revC DD 10.08.18 verified by:EC

IPP Rev:E 11.01.17 chg qc5 to 6 DD

verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seg ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.500W.049 Square Tubing		Purchased	 No			100	f	1,065.9843	2.28166 £	22.976	 - -	_ 2/	L 13.08

B 126080

Loc Oty	Loc Code	
1065.984331		 _
0.00001534		
224.3		
198.684316		
643		
	1065.984331 0.00001534 224.3 198.684316	1065.984331 0.00001534 224.3 198.684316

Page 1

											DQA:	Date	:
NCR:	Yes	/ No				WORK ORDER NON-C	ON	NFORM	MANCE / UP	DATE	QA Closed:	Date	:
			<u> </u>			DISPOSITION			_	AGAINST DE	· ·		
Work Orde	e r : _					Rework	1	cities I. Consequent			1	Water Jet	Engineering
Part N	۷o					Scrap Machining Use-as-is Thermoforming			~ —	Crosstube Small Fab Finishing	Fab Prod. Eng. Coor. Qua		
NCR I	No					Work Order Update Large Fab Composite			Composite				
Root					Descri	ption of work order update	l	nitial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												-	
Equip/Tooling	Ц		*										
Operator	Ш		<u> </u>				l				<u> </u>		·
Material	Ш		ļ									•	
Setup	Щ												
Other	Ш			ł									
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Unapproved			<u> </u>				<u> </u>	- CATE		<u> </u>	·		
							AUL	T CATE	GURY				
Landi					_	General Bend	Γ	Grain			Ovalized	Г	Pressure/Forced
	-	Bending	-4 C	_+-:-	0/5	BOM/Route	-	Hardwa			Over/Under	tolerance	Temperature/Cure
	-	Centre No Cracks	ot Conce	חנרוכ נס	^{0/3} -	Broken/Damaged	-	4	ion Incomplete		Part Incorre	_	Weld
	-	Cracks Crushed/	Crimnad		-	Burrs		4	ions Incomplete/	Unclear	Part Lost/Mi	⊢	Wrong Stock Pulled
	-	Cuffs	CHimben		-	Contamination	-	Mainte	•		Part Moved	33mg	
	-	Heat Trea	3 †		<u> </u>	Countersink	\vdash	Mislabe		·	Positioned V	Vrong	
	\vdash	Inspectio		Tube		Cut Too Short	\vdash	Misread			Power Loss/	_	Other
	-	Ripples in		. rube	<u> </u>	Drill Holes	\vdash	Offset	-	<u> </u>	1. 22. 2000)		<u> </u>
	-	Torque V		Extrusio	, -	Drawing		-1	Calibration				

Out of Sequence

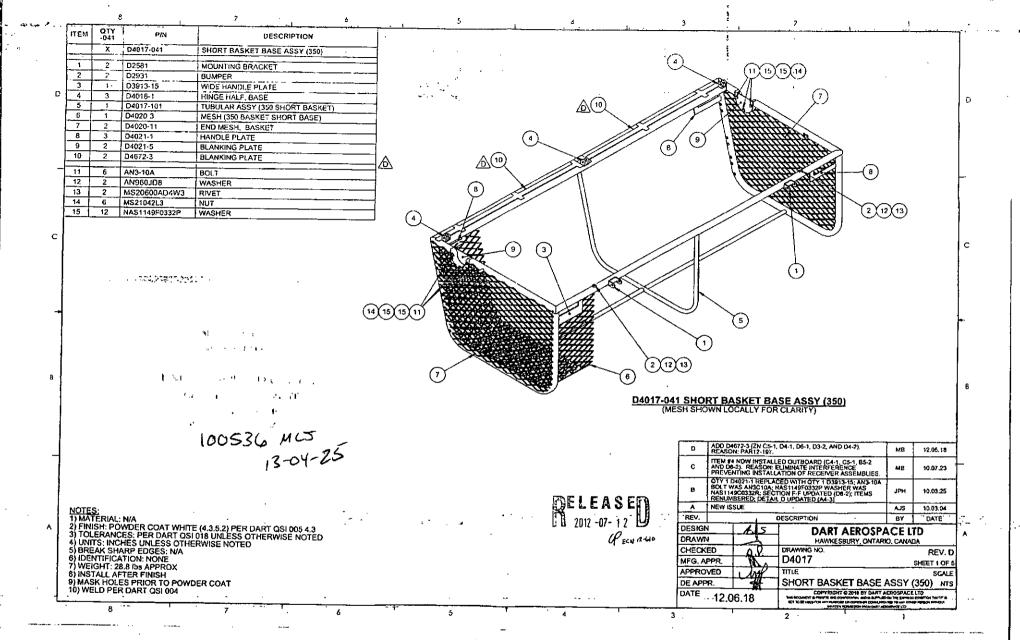
Outside Dimensions

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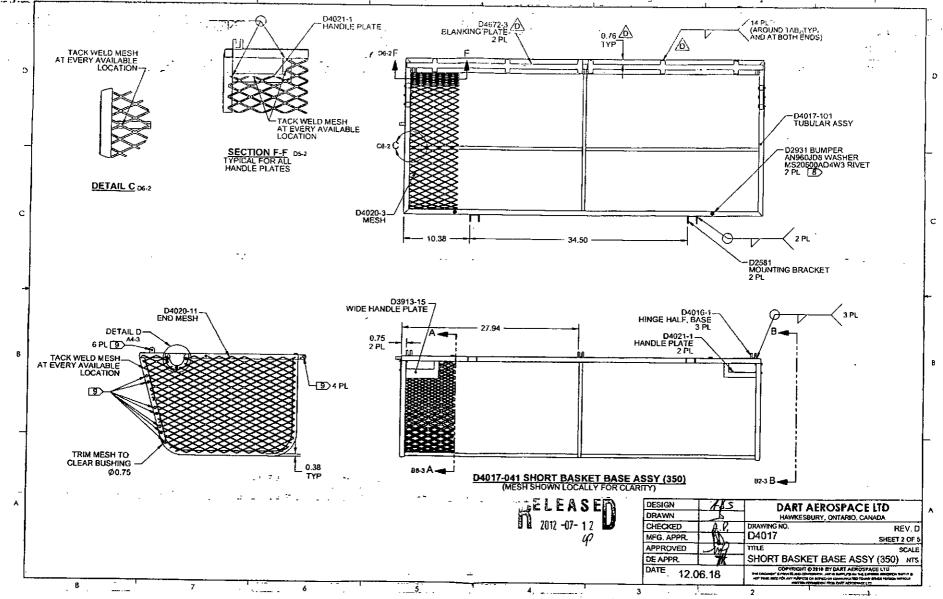
Turning Sequence

Wave/Twist in Tube

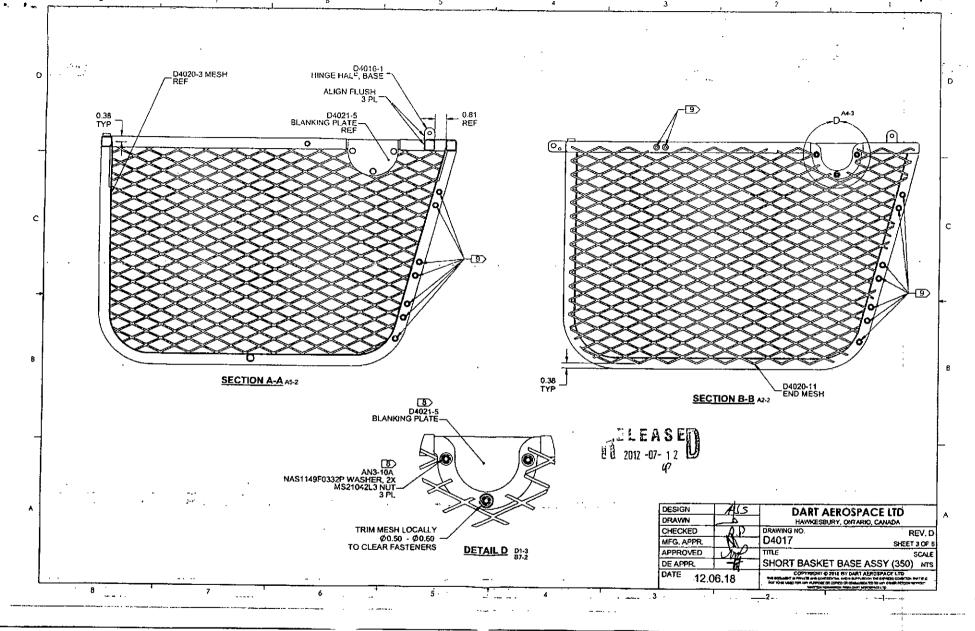
Finish Folio



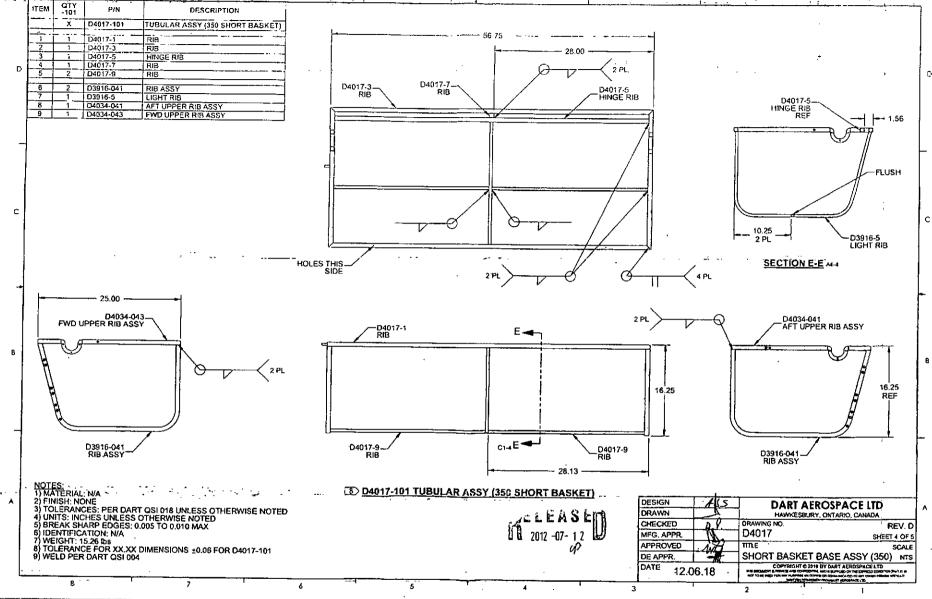
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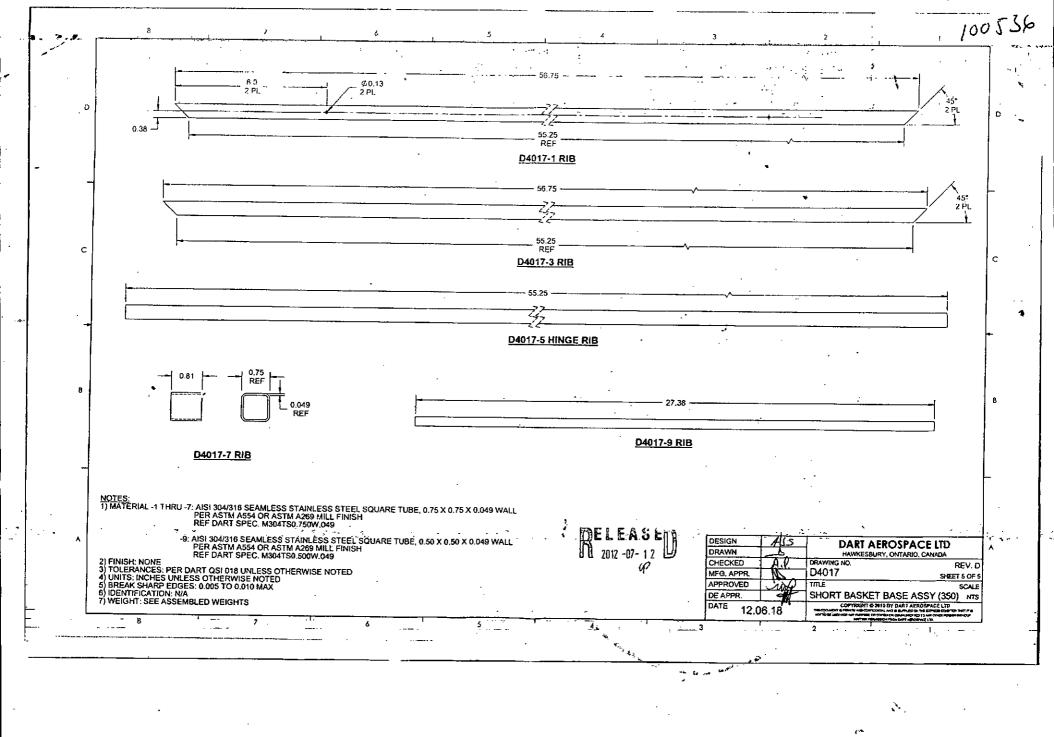
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